WHAT IS CLAIMED IS:

1. A heat-exchanging device being attached to a box to form an approximately sealed inner space within the box, said heat-exchanging device comprising:

a heat exchanger having therein a plurality of inside air passages through which inside air inside the box flows, and a plurality of outside air passages through which outside air outside the box flows, said inside air passages and said outside air passages are alternately adjacently arranged; and

a casing for accommodating said heat exchanger, said casing having an outer wall surface in which an outside air introduction port for introducing outside air into said outside air passages and an outside air discharge port for discharging outside air from said outside air passage are provided, wherein:

said heat exchanger is disposed in said casing to form a space having a predetermined distance between the heat exchanger and said outer wall surface; and

said outside air passages are provided to communicate with said outside air discharge port through said space.

2. The heat-exchanging device according to claim 1, wherein:

said casing has a drain passage communicating with said space; and

said drain passage is provided at a position lower than a bottom surface of said heat exchanger.

3. The heat-exchanging device according to claim 1, further comprising:

a seal member through which a boundary part between said inside air passages and said outside air passages of said heat exchanger is tightly attached to an attachment wall surface of said casing.

4. The heat-exchanging device according to claim 3, wherein:

said heat exchanger includes a plate member having plural wall parts each of which is disposed opposite to said outer wall surface of said casing to define said inside air passages;

said outside air passages are opened in said plate member to communicate with said space;

said inside air passages and said outside air passages are provided in such a manner that both the outermost air passages of said heat exchanger are two of said inside air passages; and

said wall parts defining the outermost inside air passages have flat attachment surfaces which are attached to said attachment wall surface of said casing through said seal member.

5. The heat-exchanging device according to claim 1, wherein:

said heat exchanger has a plate member in which said inside air passages or said outside air passages are opened to an outside of said heat exchanger; and

said plate member of said heat exchanger is disposed to be fastened to an attachment wall surface of said casing by using a fastening member at a position defining said inside air passages or said outside air passages.

6. The heat-exchanging device according to claim 1, wherein:

said heat exchanger includes

a first side plate disposed to form said space with said outer wall surface of said casing, said first side plate having outside air outlet openings through which outside air from said outside air passages flows into said space, and

a second side plate disposed opposite to said first side plate, said second side plate having inside air outlet openings through which inside air from said inside air passages flows into the inner space of the box.

7. The heat-exchanging device according to claim 6, wherein said heat exchanger further includes

a bottom surface having outside air inlet openings from which outside air is introduced into said outside air passages, and

a top surface having inside air inlet openings from which inside air is introduced into said inside air passages.

8. The heat-exchanging device according to claim 7, further comprising:

an upper seal member disposed along an upper boundary angle part in which said top surface and said first side plate are crossed.

9. The heat-exchanging device according to claim 8, further comprising:

a lower seal member disposed along a lower boundary angle part in which said bottom surface and said second side plate are crossed.

10. The heat-exchanging device according to claim 8, wherein said upper seal member has a shape corresponding to said upper boundary angle part.

11. The heat-exchanging device according to claim 6, wherein said heat exchanger further includes

a bottom surface having inside air inlet openings from which inside air is introduced into said inside air passages, and

a top surface having outside air inlet openings from which outside air is introduced into said inside air passages.

12. The heat-exchanging device according to claim 6, wherein:

among said inside air passages and said outside air passages, both inside air passages are provided at the outermost sides in said heat exchanger.